

## Claims

1. A modified, unsubstituted or hydroxyethyl- or hydroxypropyl-substituted starch product for clinical use, characterized in that the hydroxyethyl- or hydroxypropyl-substituted starch product has a degree of branching in the range from 8 to 20 mol% and a degree of substitution MS of up to 0.3, and in that the unsubstituted starch product has a degree of branching in the range from 11 to 20 mol%.
2. The starch product as claimed in claim 1, characterized in that it is hydroxyethyl- or hydroxypropyl-substituted and has a degree of substitution MS in the range from 0.05 to 0.3.
3. The starch product as claimed in claim 1, characterized in that it has an average molecular weight ( $M_w$ ) in the range from 10 000 to 450 000.
4. The starch product as claimed in claim 2, characterized in that it has an average molecular weight ( $M_w$ ) in the range from 10 000 to 40 000.
5. The starch product as claimed in claim 2, characterized in that it has an average molecular weight ( $M_w$ ) in the range from 40 000 to 450 000.
6. The starch product as claimed in claim 1, characterized in that it is hydroxyethyl- or hydroxypropyl-substituted and in that the  $C_2/C_6$  ratio is in the range from 4 to 20.
7. The starch product as claimed in claim 5, characterized in that the  $C_2/C_6$  ratio is in the range from 5 to 9.

8. The starch product as claimed in claim 1, characterized in that it is hydroxyethylated starch.
- 5 9. The starch product as claimed in claim 1, characterized in that its reducing ends are inactivated by oxidation or reduction.
- 10 10. A dialysis solution comprising water, a modified, unsubstituted or hydroxyethyl- or hydroxypropyl-substituted starch product which has a degree of branching in the range from 8 to 20 mol% and, in the case of substitution, has a degree of substitution MS of up to 0.3, and conventional additions.
- 15 11. A plasma expander comprising water, a modified, unsubstituted or hydroxyethyl- or hydroxypropyl-substituted starch product which has a degree of branching in the range from 8 to 20 mol% and, in the case of substitution, has a degree of substitution MS of up to 0.3, and conventional additions.
- 20 12. The use of a modified, unsubstituted or hydroxyethyl- or hydroxypropyl-substituted starch product which has a degree of branching in the range from 8 to 20 mol% and, in the case of substitution, has a degree of substitution MS of up to 0.3, as colloid osmotic agent in dialysis, especially in peritoneal dialysis.
- 25 30 13. The use of a modified, unsubstituted or hydroxyethyl- or hydroxypropyl-substituted starch product which has a degree of branching in the range from 8 to 20 mol% and, in the case of substitution, has a degree of substitution MS of up to 0.3, as plasma expander.
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